Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	08/10/2016 10:01 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/29/2016 03:45 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124666	-1	2.53	124536	2.49
Blue	F	SSC	125000	124032	-1	4.75	124386	4.58
Blue	E	FITC	22946	22676	-2	2.97	1013	9.40
Blue	D	PE	28770	28190	-3	2.60	1011	9.03
Blue	B	PerCP-Cy5-5	51099	50447	-2	3.78	1447	15.18
Blue	A	PE-Cy7	42312	41630	-2	5.15	645	32.06
Red	C	APC	52169	51625	-2	2.90	2969	9.23
Red	A	APC-Cy7	56705	55944	-2	3.04	1158	10.73
Violet	B	V450	14708	14171	-4	3.67	681	8.70
Violet	A	V500	58608	56786	-4	3.44	2529	6.22

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19321	4.25	589	-9	N/A	N/A	Pass
Blue	F	SSC	60101	3.86	520	2	N/A	N/A	Pass
Blue	E	FITC	111	36.63	527	-4	0.0262	185	Pass
Blue	D	PE	218	25.75	522	-4	0.1886	182	Pass
Blue	B	PerCP-Cy5-5	225	39.65	615	-7	0.0131	80	Pass
Blue	A	PE-Cy7	74	98.84	662	-9	0.0145	3	Pass
Red	C	APC	343	26.28	586	-4	0.0217	22	Pass
Red	A	APC-Cy7	126	39.09	569	-7	0.0065	1852	Pass
Violet	B	V450	84	38.86	463	4	0.0454	1514	Pass
Violet	A	V500	185	20.90	492	4	0.0142	13	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.04	-31.28	0.82
Blue	20.34	16.27 - 24.41	1.24	0.99 - 1.49	0.00	0.00	1.31
Red	18.44	13.27 - 19.91	N/A	N/A	31.39	32.05	1.15

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 11327

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments